

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
 Data File : BF120516.D
 Acq On : 3 Jun 2020 18:20
 Operator : JU/CG
 Sample : L2839-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM1-COMP-2020-0-6

Manual Integrations
 APPROVED

mohammad
 6/4/2020 12:12:37 PM

Quant Time: Jun 04 01:28:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 14:26:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	151027	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	679369	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	358663	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	578122	20.00	ng	0.00
76) Chrysene-d12	14.00	240	343812	20.00	ng	-0.01
86) Perylene-d12	15.46	264	389911	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	615044	77.61	ng	0.00
7) Phenol-d6	6.47	99	795839	81.47	ng	0.00
23) Nitrobenzene-d5	7.40	82	570664	54.95	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	268222	80.71	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1349370	63.83	ng	0.00
79) Terphenyl-d14	12.94	244	1170431	75.75	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.59	163	224693	10.021	ng	99
71) Phenanthrene	11.38	178	138127	5.422	ng	97
75) Fluoranthene	12.57	202	276102	10.073	ng	99
78) Pyrene	12.80	202	261743	10.947	ng	97
81) Benzo(a)anthracene	13.99	228	125333	6.802	ng	97
83) Chrysene	14.02	228	109368	5.662	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	44848	3.827	ng	99
87) Indeno(1,2,3-cd)pyrene	16.90	276	69601	3.264	ng	96
88) Benzo(b)fluoranthene	15.03	252	176509m	8.150	ng	
89) Benzo(k)fluoranthene	15.06	252	62998m	3.116	ng	
90) Benzo(a)pyrene	15.39	252	121559	6.417	ng	99
92) Benzo(a,h,i)perylene	17.33	276	66615	3.885	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

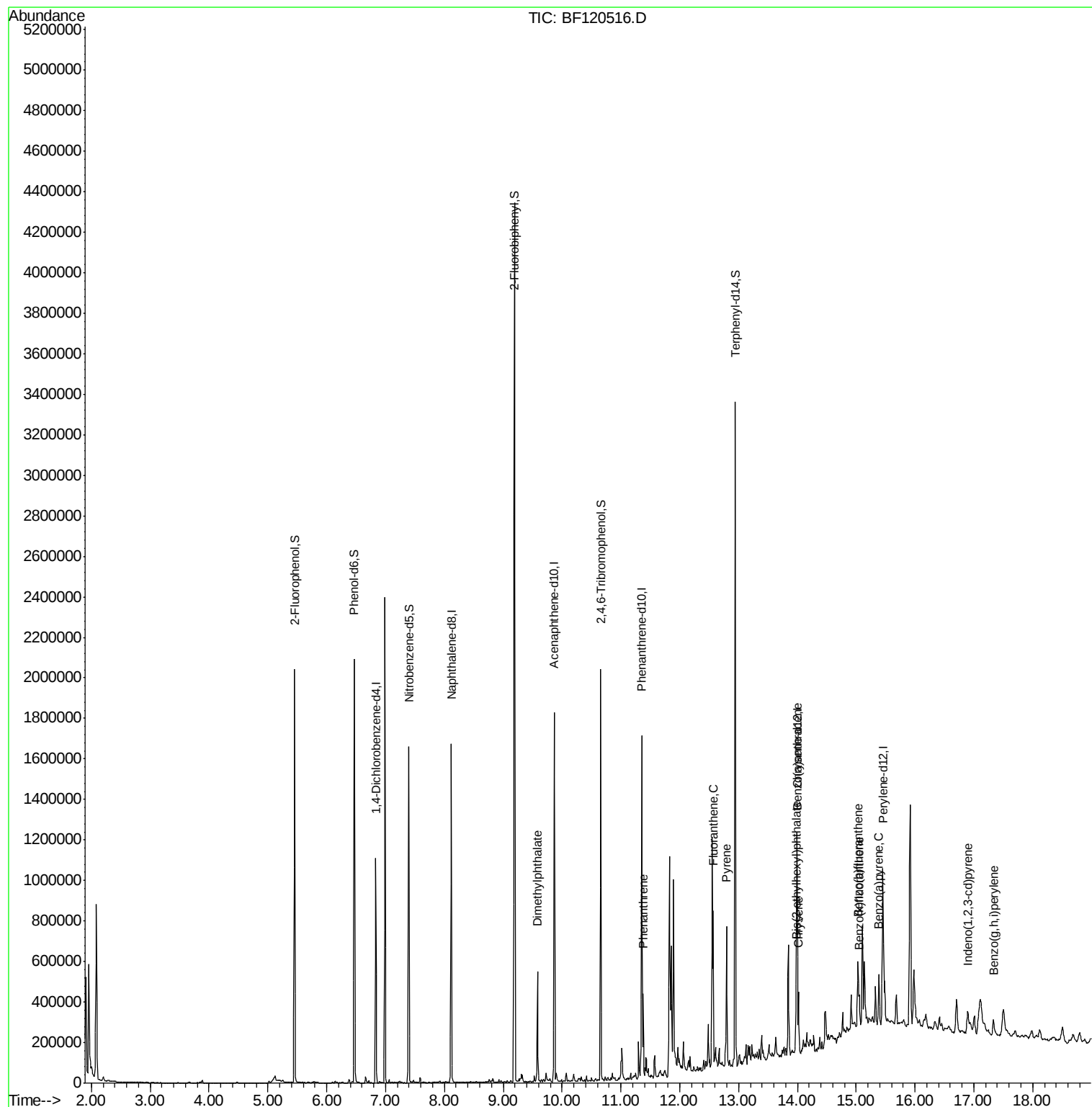
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060320\
Data File : BF120516.D
Acq On : 3 Jun 2020 18:20
Operator : JU/CG
Sample : L2839-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

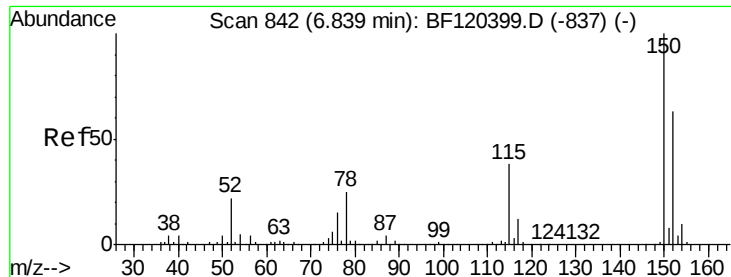
Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:37 PM

Quant Time: Jun 04 01:28:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 03 14:26:17 2020
Response via : Initial Calibration





#1

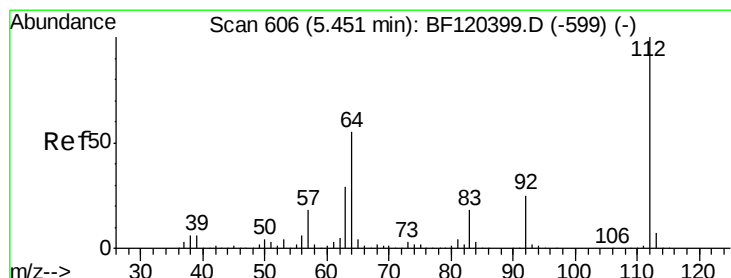
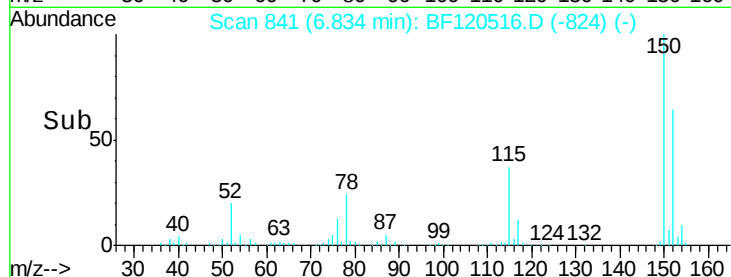
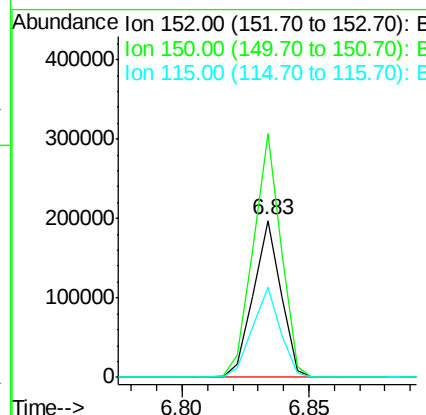
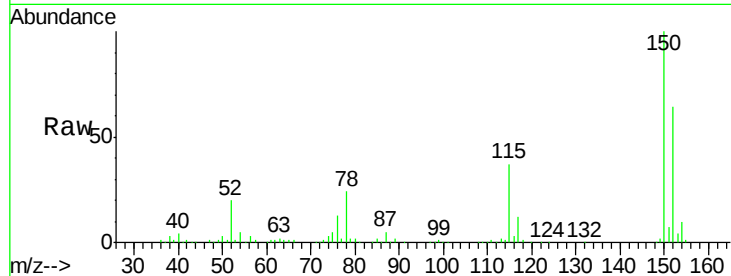
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	127.1	190.7
115	57.6	48.7	73.1

Manual Integrations
APPROVED

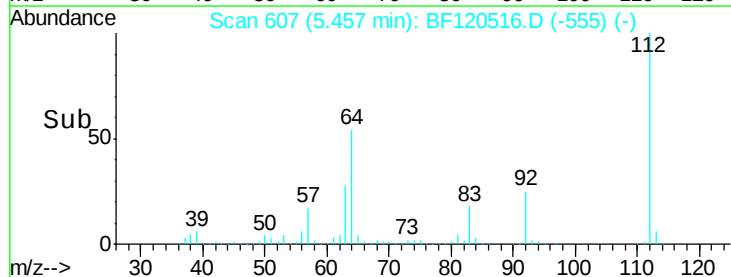
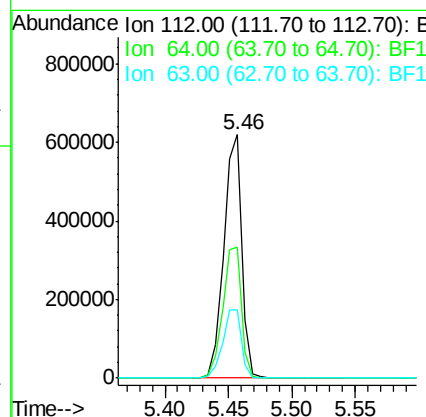
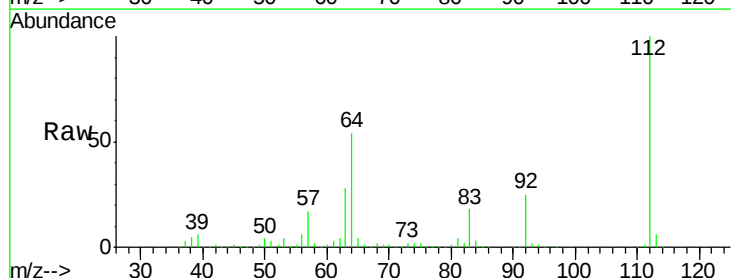
mohammad
6/4/2020 12:12:37 PM



#5

2-Fluorophenol
Concen: 77.610 ng
RT: 5.46 min Scan# 607
Delta R.T. 0.01 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	45.8	68.8
63	28.2	23.7	35.5





#7

Phenol-d6

Concen: 81.475 ng

RT: 6.47 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF120516.D

Acq: 3 Jun 2020 18:20

Instrument :

BNA_F

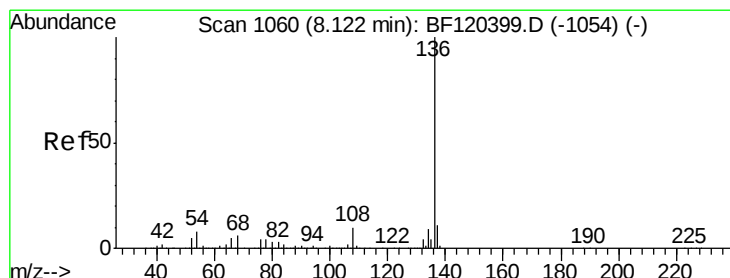
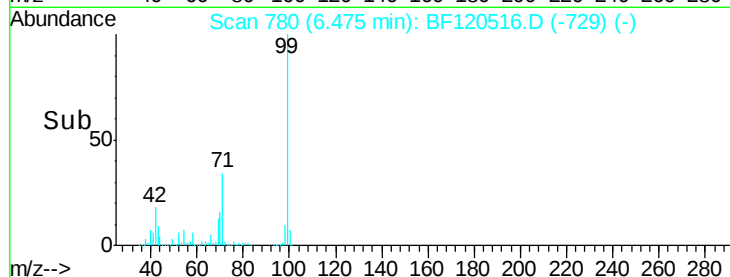
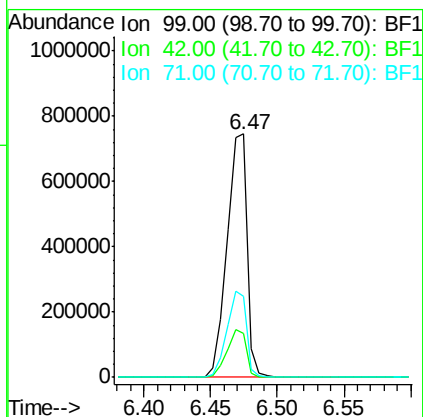
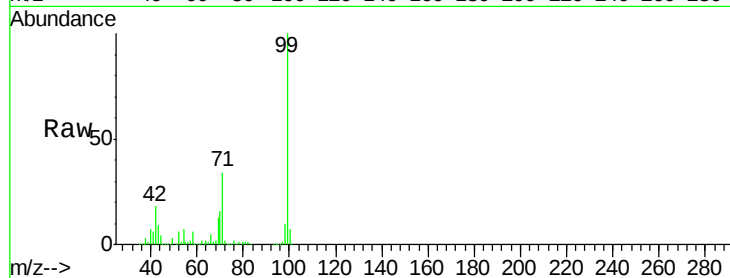
ClientSampleId :

NM1-COMP-2020-0-6

Tot Ion:	99	Resp:	795839
Ion Ratio	Lower	Upper	
99	100		
42	17.9	15.0	22.4
71	33.5	26.3	39.5

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:37 PM



#21

Naphthalene-d8

Concen: 20.000 ng

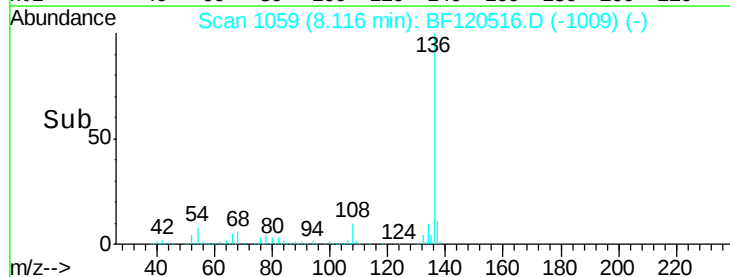
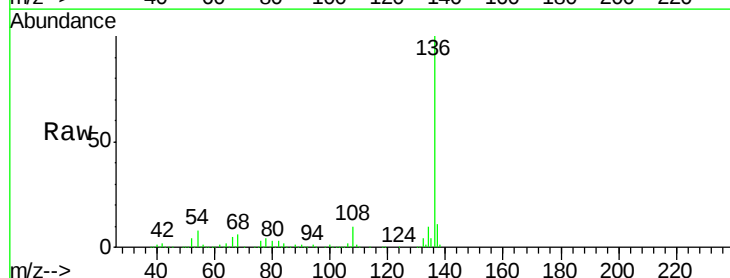
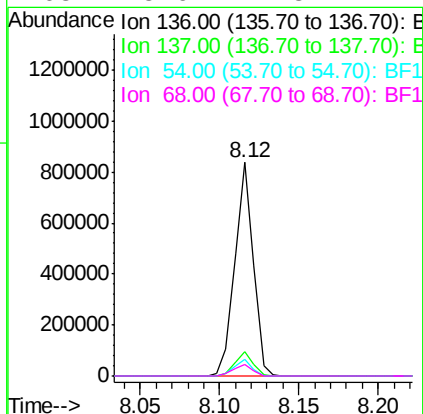
RT: 8.12 min Scan# 1059

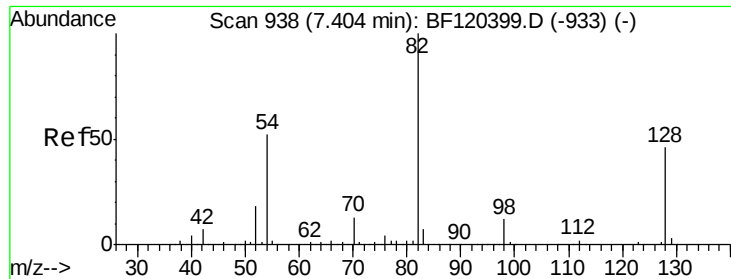
Delta R.T. -0.01 min

Lab File: BF120516.D

Acq: 3 Jun 2020 18:20

Tgt Ion:	136	Resp:	679369
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	7.7	6.0	9.0
68	5.6	4.8	7.2





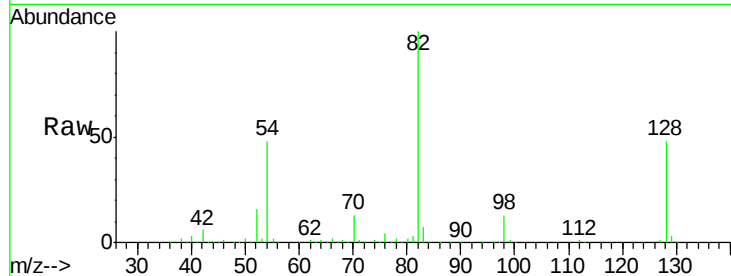
#23
Nitrobenzene-d5
Concen: 54.946 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

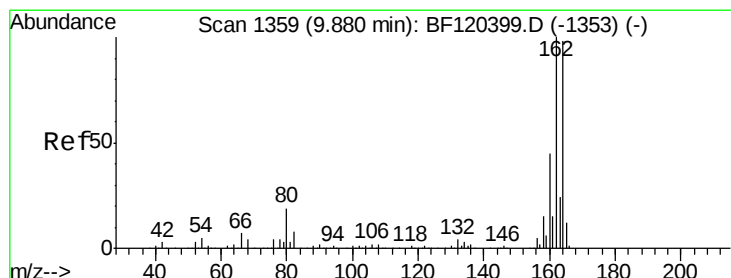
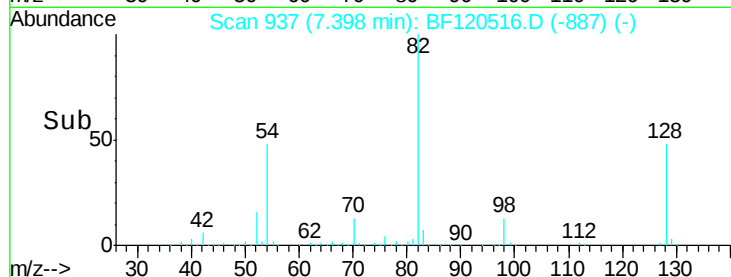
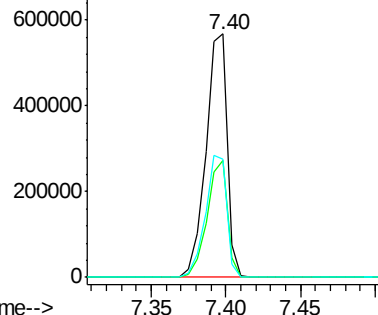
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.4	56.0
54	48.5	40.7	61.1

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:37 PM

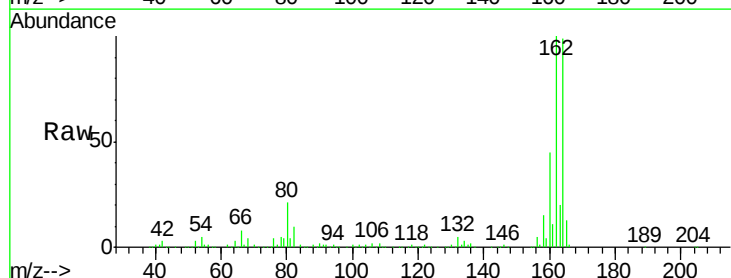


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

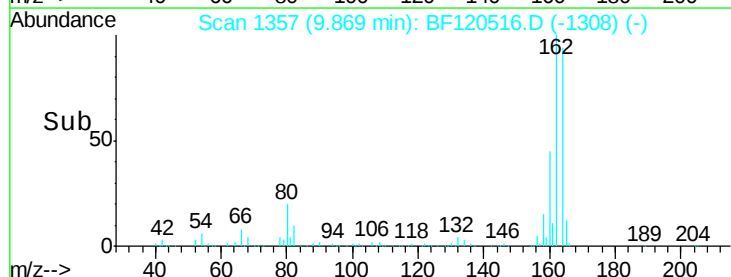
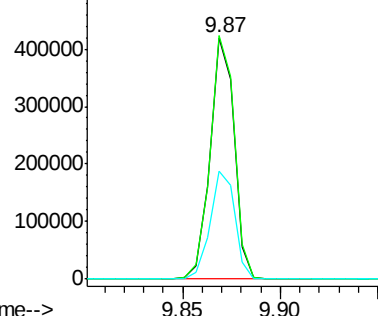


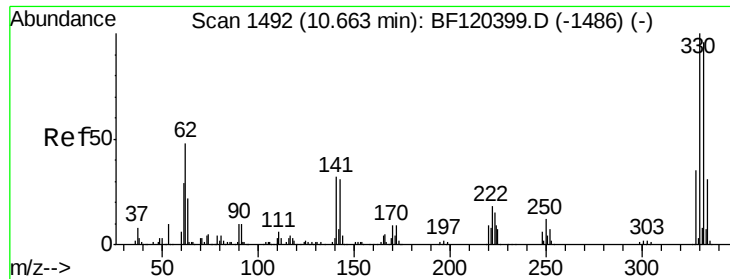
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.6
160	44.9	37.3	55.9



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





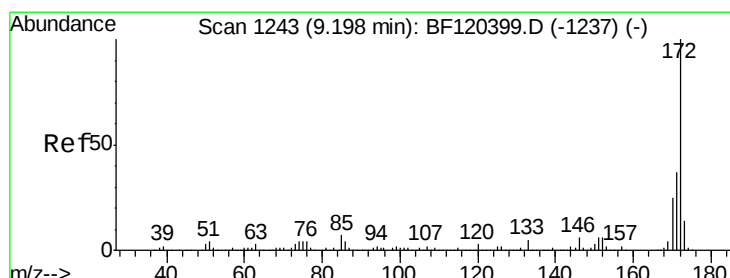
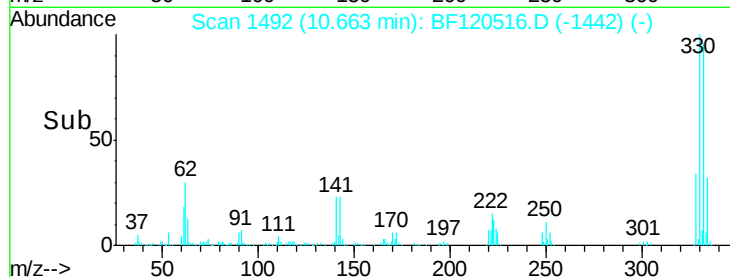
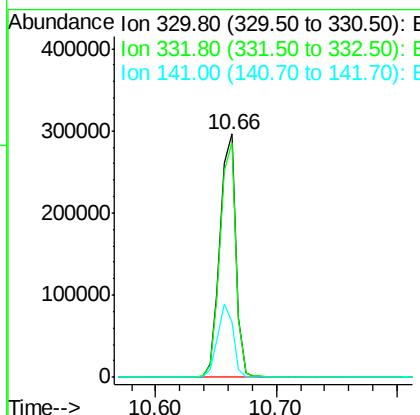
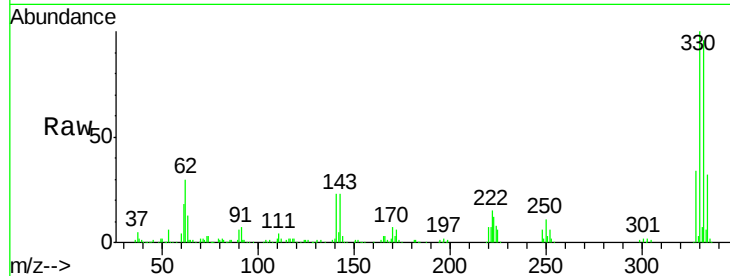
#42
 2,4,6-Tribromophenol
 Concen: 80.713 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120516.D
 Acq: 3 Jun 2020 18:20

Instrument :
 BNA_F
 ClientSampleId :
 NM1-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	268222		
332	96.3	77.4	116.2	
141	29.7	23.5	35.3	

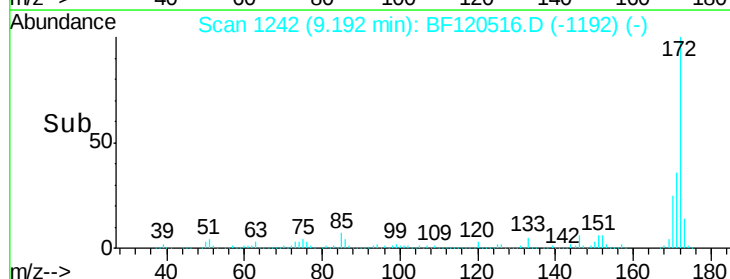
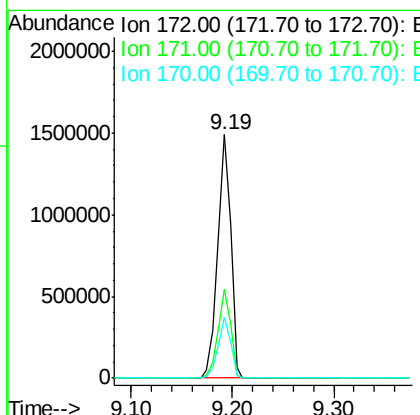
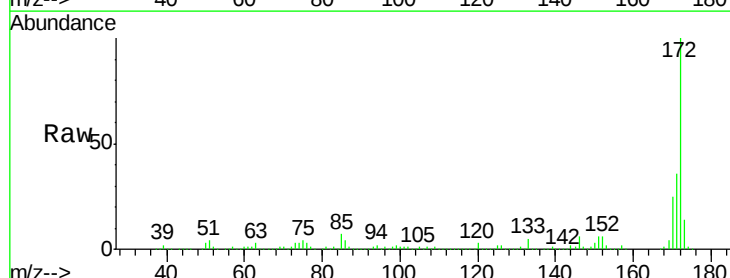
Manual Integrations
 APPROVED

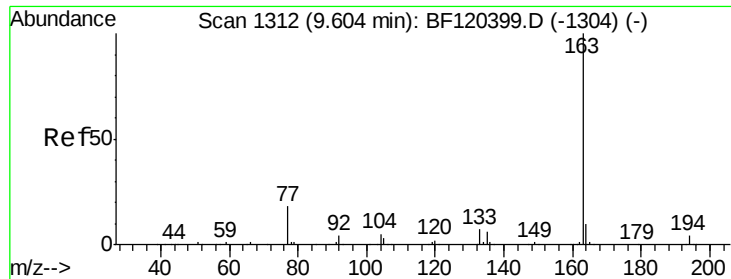
mohammad
 6/4/2020 12:12:37 PM



#45
 2-Fluorobiphenyl
 Concen: 63.833 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120516.D
 Acq: 3 Jun 2020 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1349370		
171	36.4	29.2	43.8	
170	24.7	20.1	30.1	





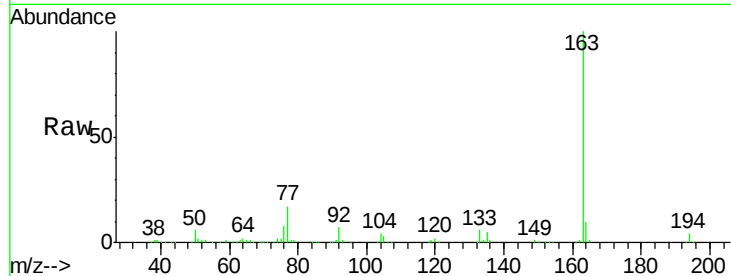
#50
Dimethylphthalate
Concen: 10.021 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

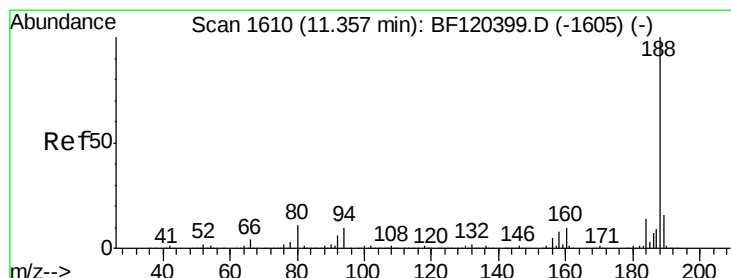
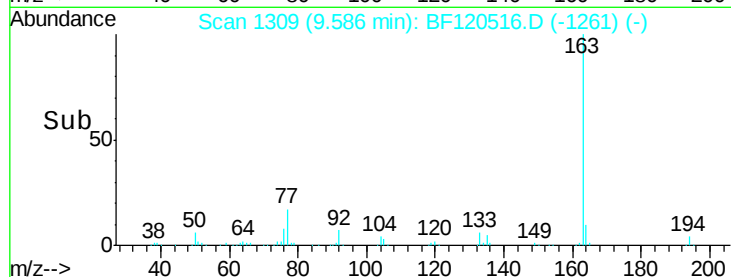
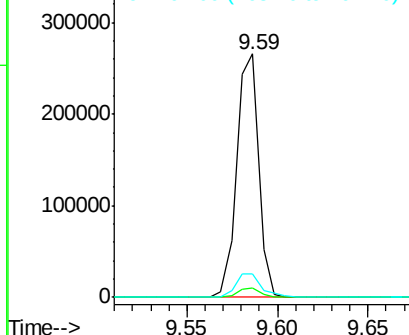
Tot Ion	Ratio	Resp	Lower	Upper
163	100	224693		
194	3.9		3.1	4.7
164	9.9		8.2	12.4

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:37 PM

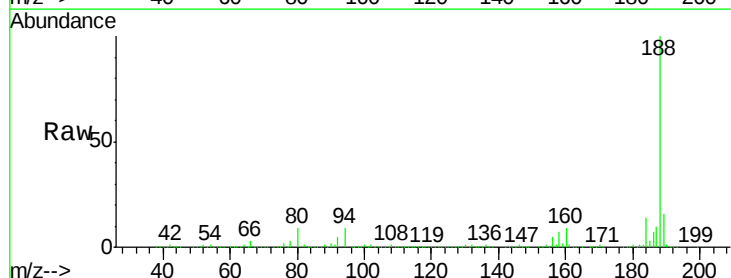


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

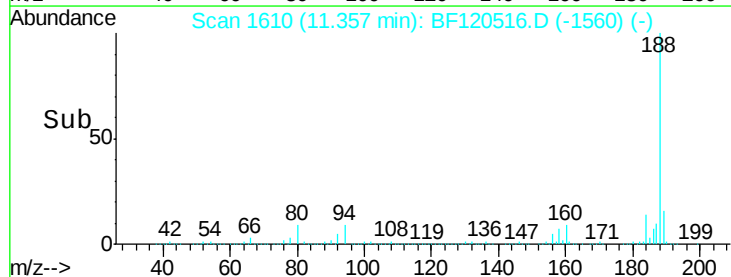
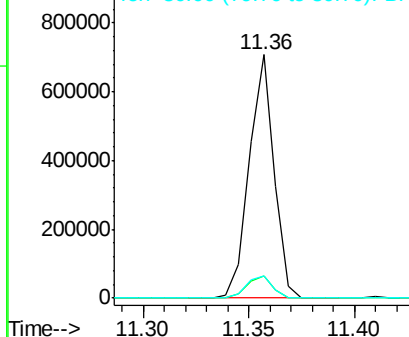


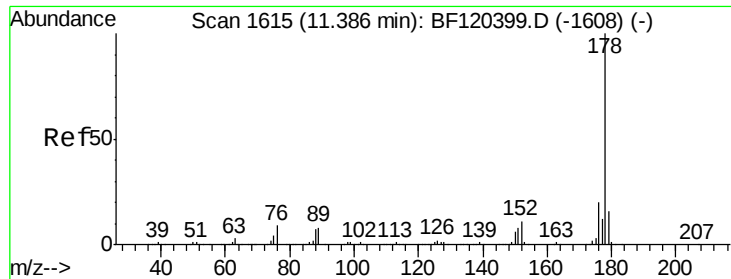
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	578122		
94	9.2		7.5	11.3
80	9.2		7.9	11.9



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





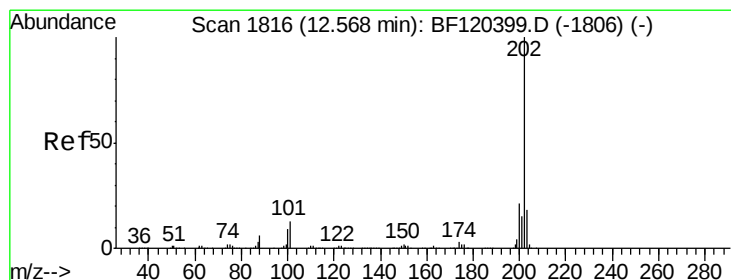
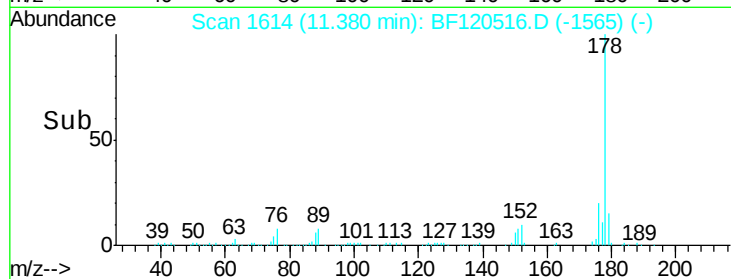
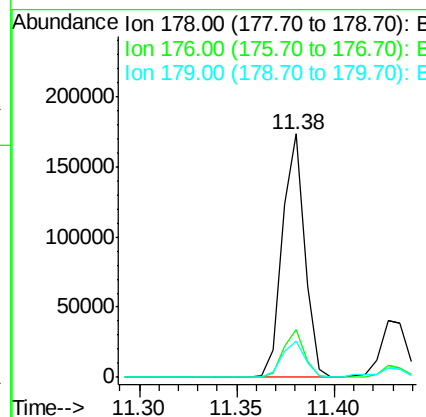
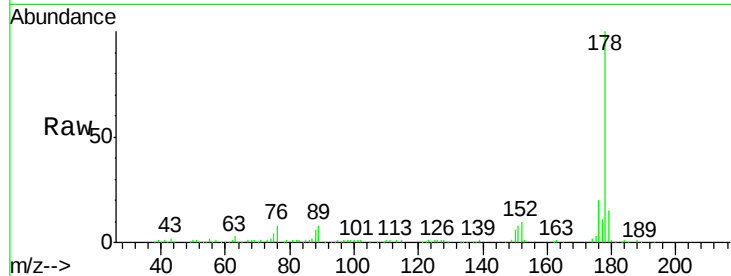
#71
Phenanthrene
Concen: 5.422 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.6	24.8
179	14.7	13.0	19.4

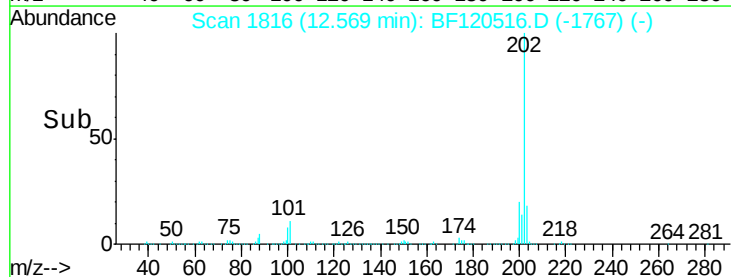
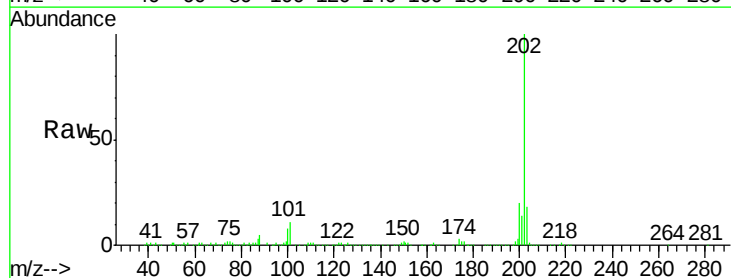
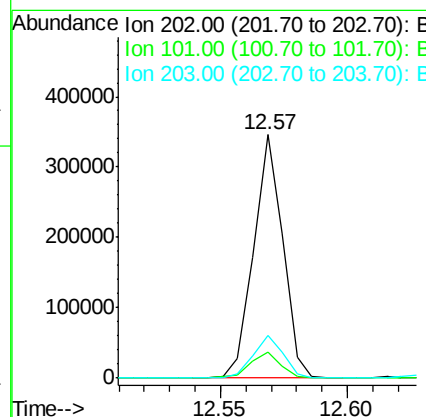
Manual Integrations
APPROVED

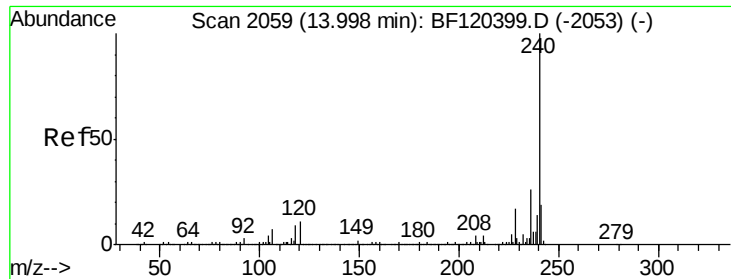
mohammad
6/4/2020 12:12:37 PM



#75
Fluoranthene
Concen: 10.073 ng
RT: 12.57 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.4
203	17.6	0.0	38.2





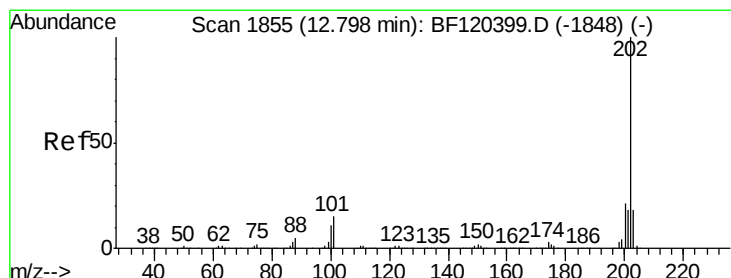
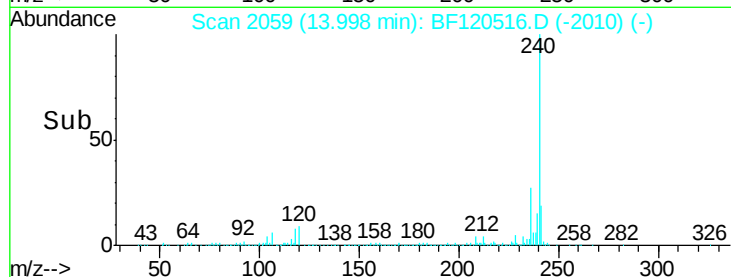
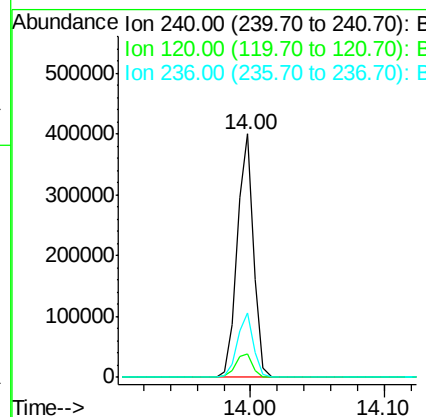
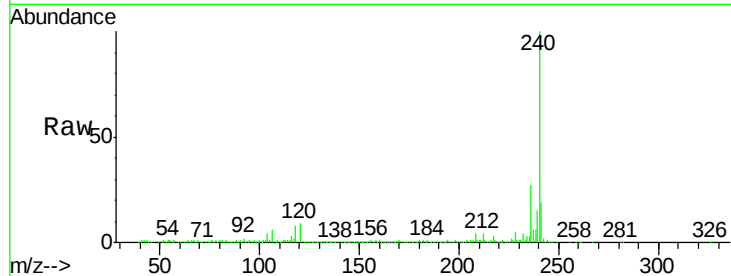
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.9	11.9
236	26.6	21.1	31.7

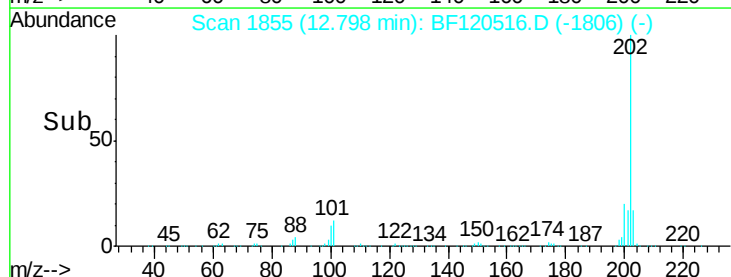
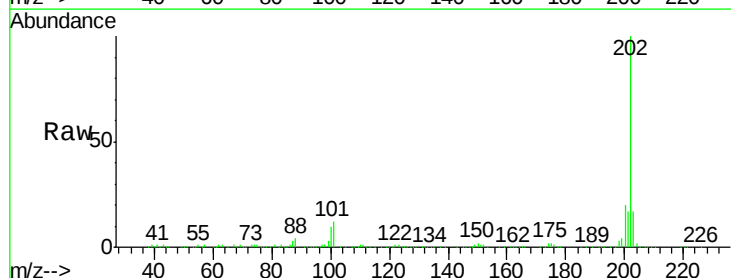
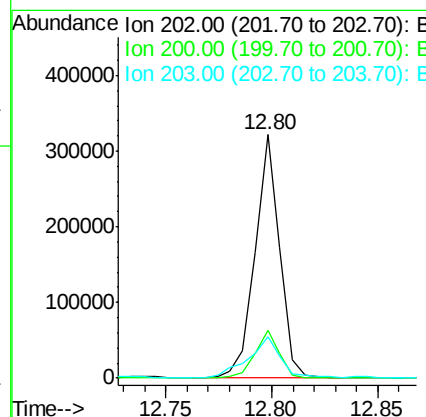
Manual Integrations
APPROVED

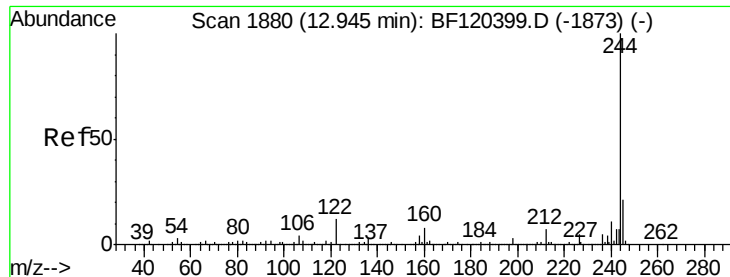
mohammad
6/4/2020 12:12:37 PM



#78
Pyrene
Concen: 10.947 ng
RT: 12.80 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.3	25.9
203	17.1	14.5	21.7





#79

Terphenyl-d14

Concen: 75.753 ng

RT: 12.94 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BF120516.D

Acq: 3 Jun 2020 18:20

Instrument :

BNA_F

ClientSampleId :

NM1-COMP-2020-0-6

Tot Ion:244 Resp: 1170431

Ion Ratio Lower Upper

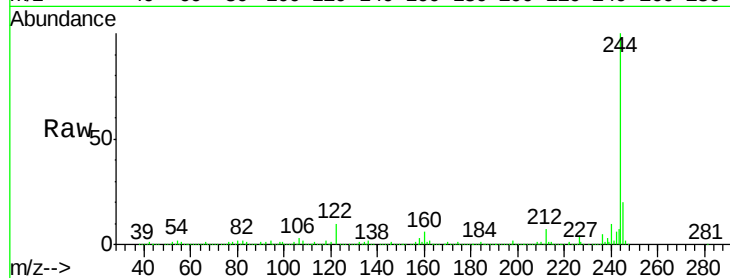
244 100

212 6.6 5.8 8.8

122 10.2 8.2 12.4

Manual Integrations
APPROVED

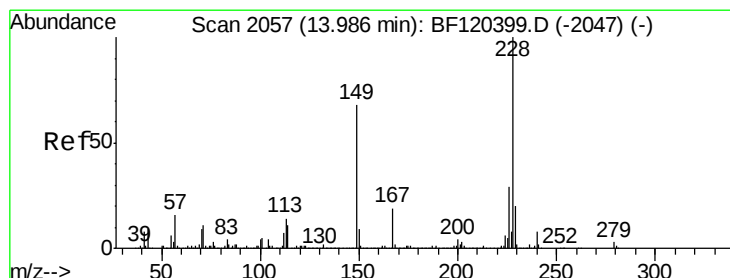
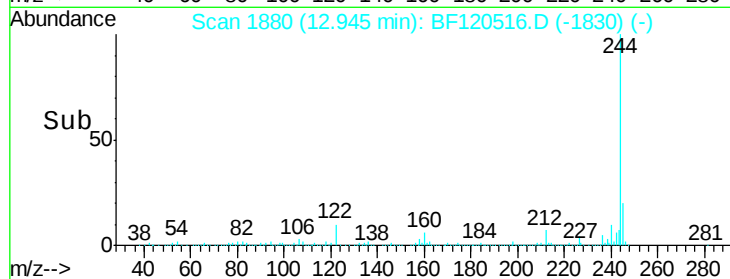
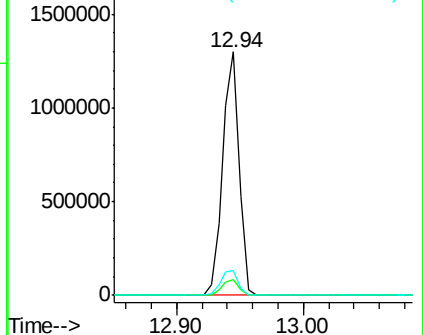
mohammad
6/4/2020 12:12:37 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.802 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BF120516.D

Acq: 3 Jun 2020 18:20

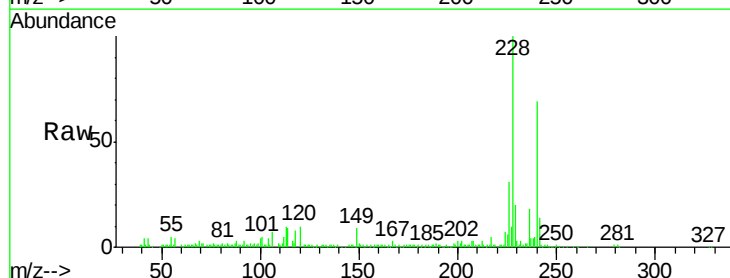
Tgt Ion:228 Resp: 125333

Ion Ratio Lower Upper

228 100

226 30.7 22.7 34.1

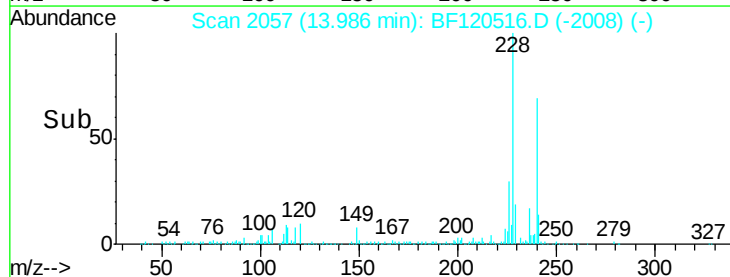
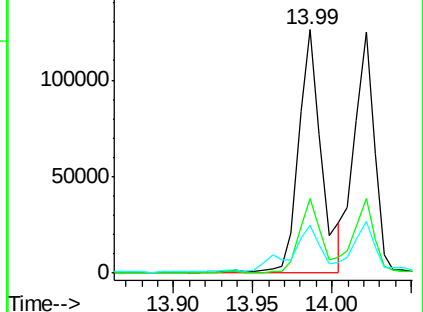
229 19.8 16.3 24.5

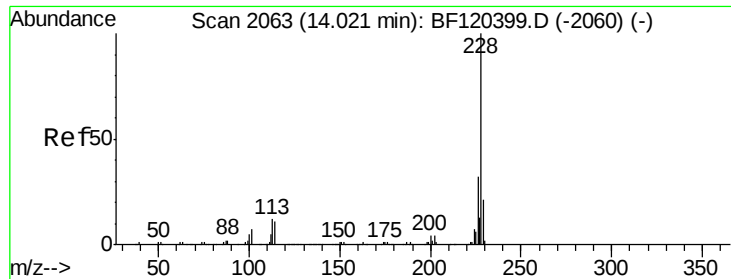


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





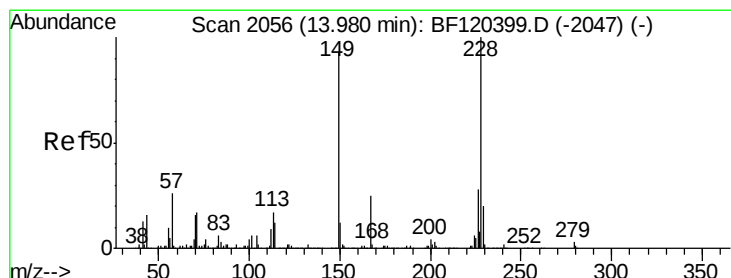
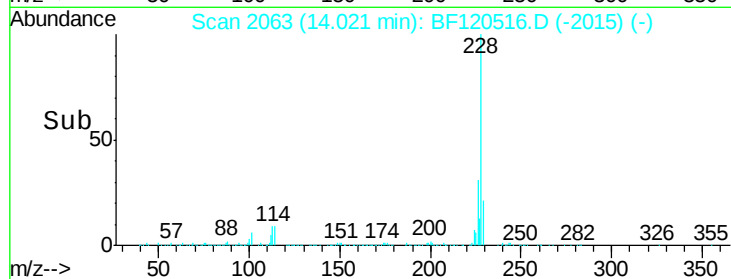
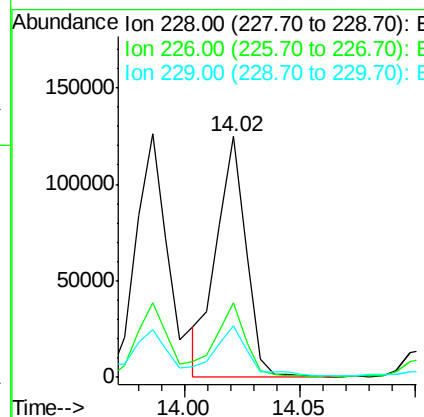
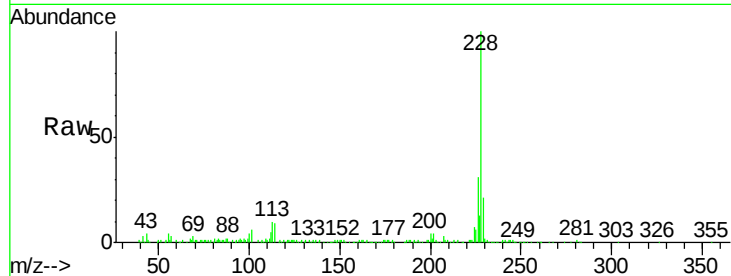
#83
Chrysene
Concen: 5.662 ng
RT: 14.02 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.2	37.8
229	21.5	16.1	24.1

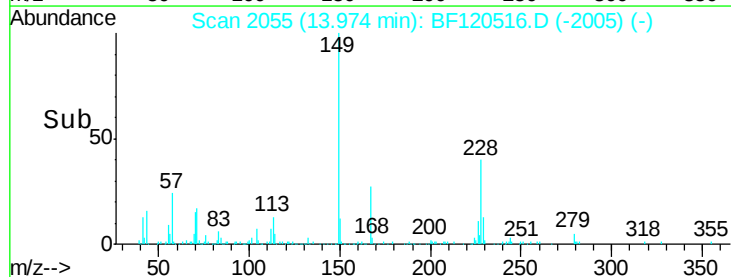
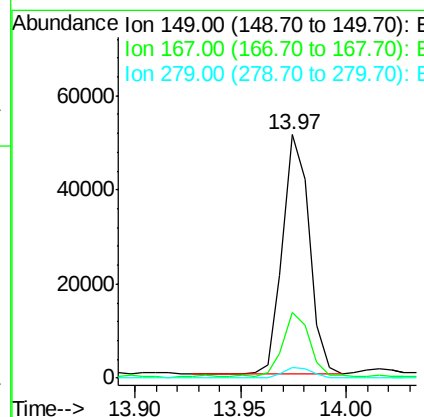
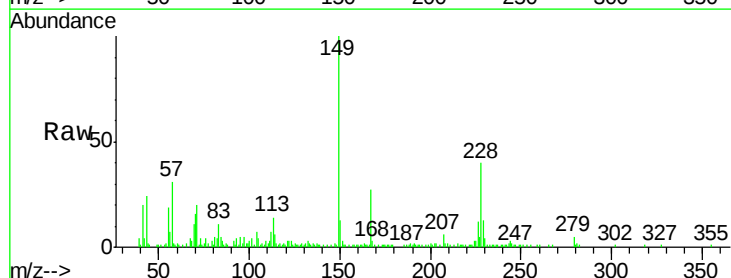
Manual Integrations
APPROVED

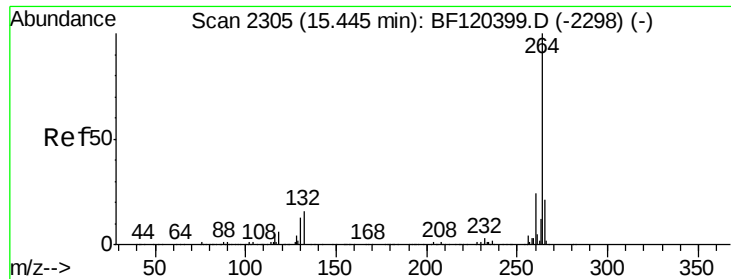
mohammad
6/4/2020 12:12:37 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.827 ng
RT: 13.97 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.0	33.0
279	4.6	3.2	4.8





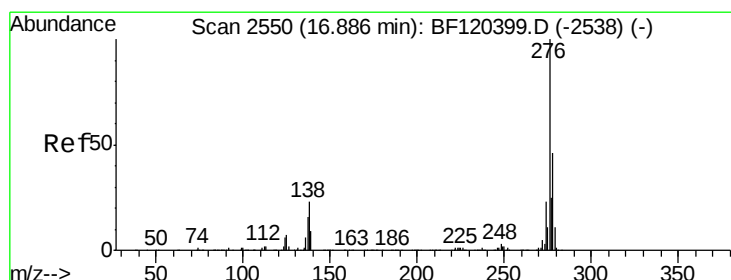
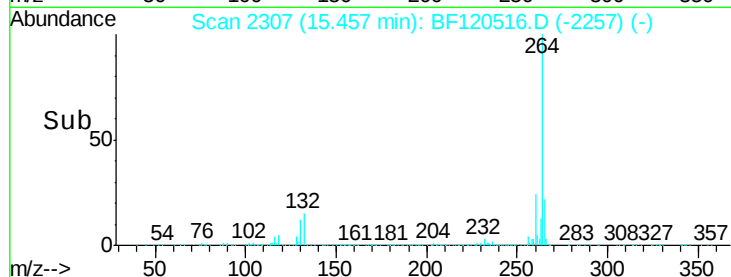
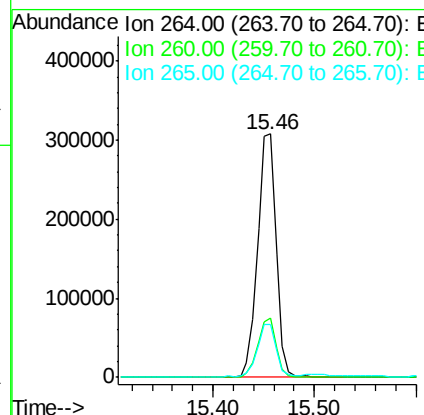
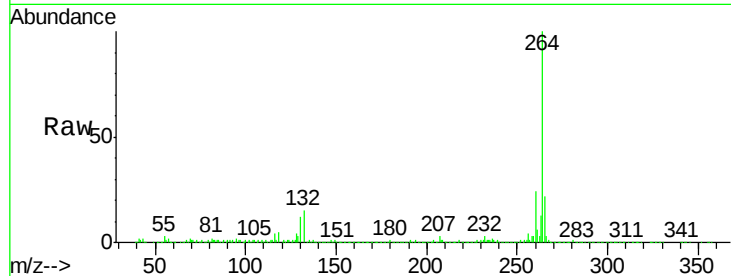
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.8	29.8
265	21.9	17.5	26.3

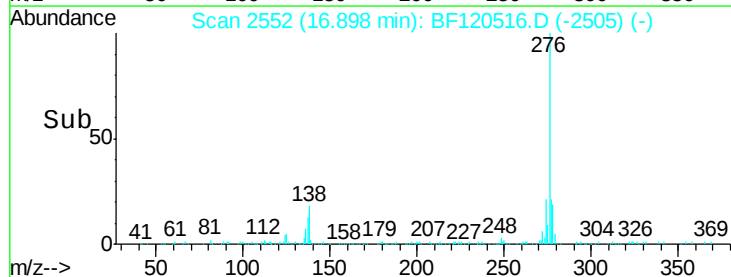
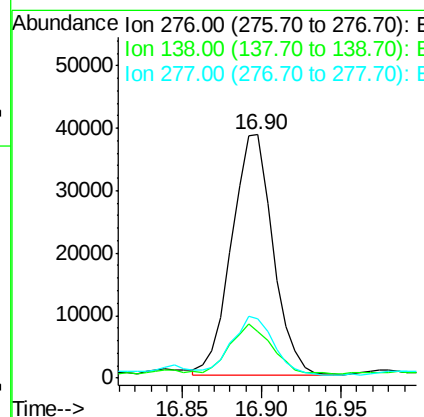
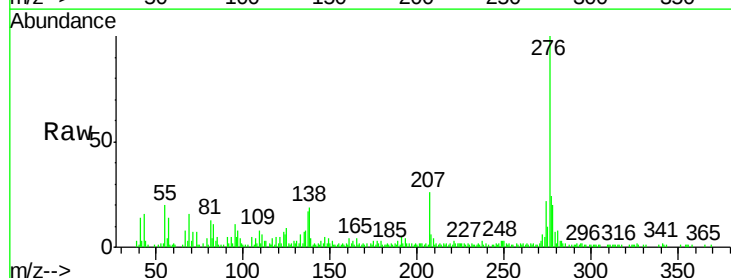
Manual Integrations
APPROVED

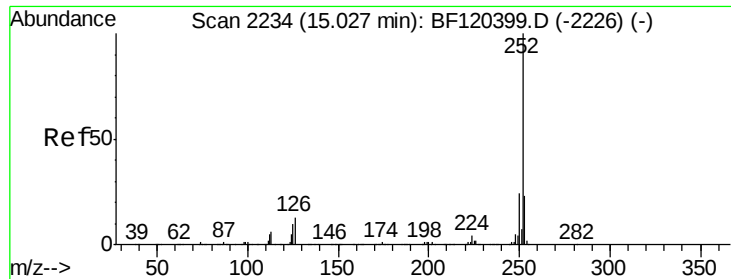
mohammad
6/4/2020 12:12:37 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.264 ng
RT: 16.90 min Scan# 2552
Delta R.T. -0.02 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.2	28.8
277	24.5	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 8.150 ng m

RT: 15.03 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF120516.D

Acq: 3 Jun 2020 18:20

Instrument :

BNA_F

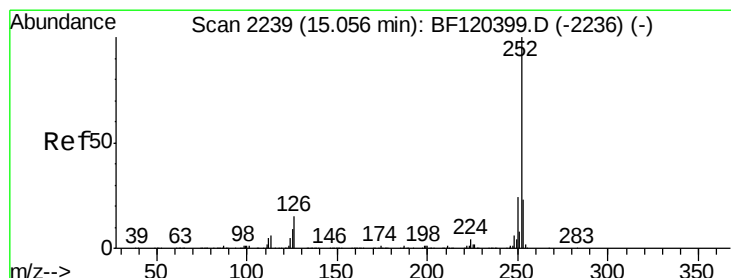
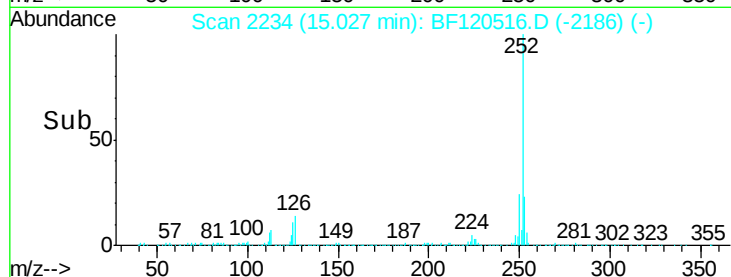
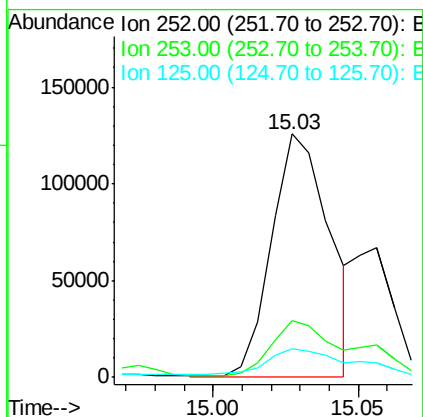
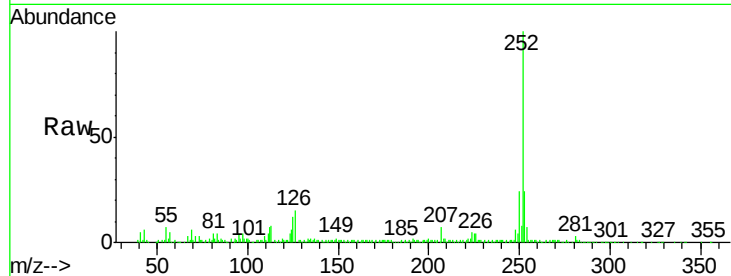
ClientSampleId :

NM1-COMP-2020-0-6

Tot Ion:	252	Resp:	176509
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.2
125	11.8	7.6	11.4

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:37 PM



#89

Benzo(k)fluoranthene

Concen: 3.116 ng m

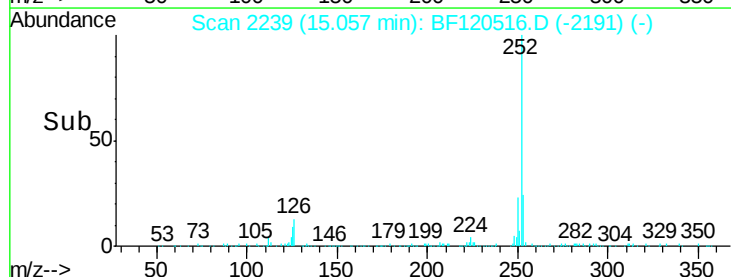
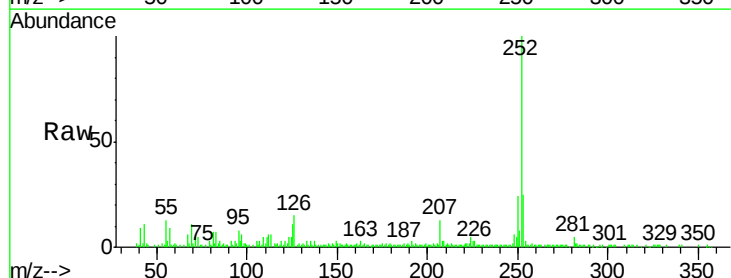
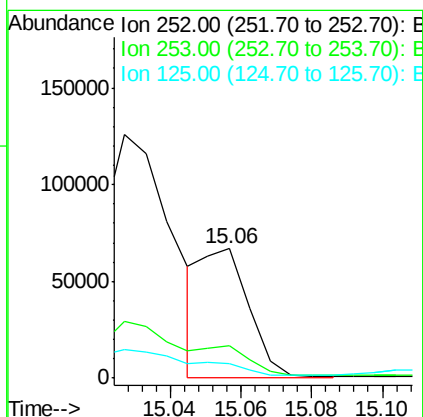
RT: 15.06 min Scan# 2239

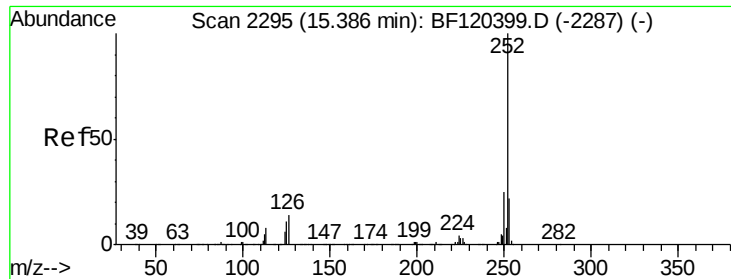
Delta R.T. -0.02 min

Lab File: BF120516.D

Acq: 3 Jun 2020 18:20

Tgt Ion:	252	Resp:	62998
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.6	26.4
125	11.3	7.5	11.3





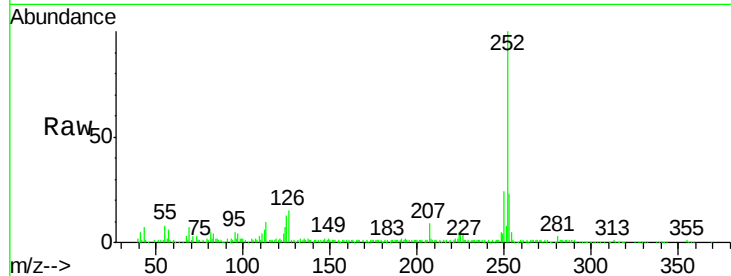
#90
Benzo(a)pyrene
Concen: 6.417 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Instrument :
BNA_F
ClientSampleId :
NM1-COMP-2020-0-6

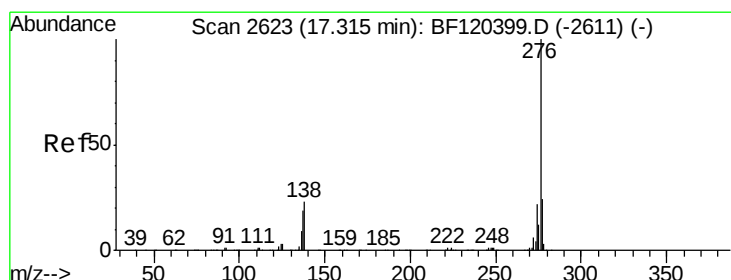
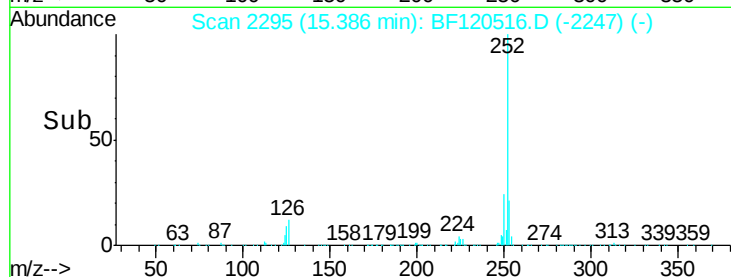
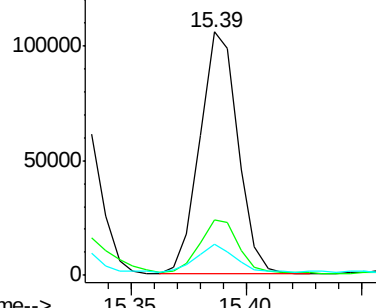
Tot Ion	Ratio	Resp	Lower	Upper
252	100	121559		
253	22.6		18.0	27.0
125	12.6		9.2	13.8

Manual Integrations
APPROVED

mohammad
6/4/2020 12:12:37 PM

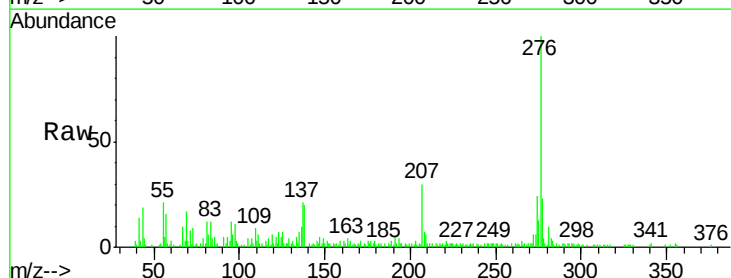


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.885 ng
RT: 17.33 min Scan# 2626
Delta R.T. -0.03 min
Lab File: BF120516.D
Acq: 3 Jun 2020 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	66615		
277	23.2		19.4	29.2
138	20.1		16.6	25.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

